WHAT IS CLAIMED IS:

- 1. A customer self-checkout system for processing items for purchase, comprising:
- a checkout station configured for self-checkout by customers of items for purchase;
- a plurality of supervisory terminals configured to conduct supervisory activities
- administering operation of the checkout station; and
- a controller operatively coupling the plurality of supervisory terminals to the checkout
- station, wherein said controller is configured to enable administration of the checkout
- station by multiple ones of the supervisory terminals.
- 8 2. The system of claim 1, wherein:
- 9 the checkout station is one of a plurality of checkout stations;
- the controller is one of a plurality of controllers;
- each of the plurality of controllers is associated with a corresponding one of the plurality
- of checkout stations; and
- each of the controllers is operatively coupled to the plurality of supervisory terminals.
- 14 3. The system of claim 1, wherein:
- the checkout station is one of a plurality of checkout stations;
- the controller is operatively coupled to each of the plurality of checkout stations; and
- the controller is configured to administer control of the plurality of checkout stations by
- multiple ones of the plurality of supervisory terminals.

- 19 4. The system of claim 1, wherein:
- a first one of the supervisory terminals is operatively coupled to the controller by a
- wireless data network; and
- the supervisory terminal and the checkout station are operatively coupled to each other by
- 23 a wired data network.

idasaksa oisots

- 5. The system of claim 4, wherein a second one of the supervisory terminals is operatively coupled to the controller by a wired data network.
- 6. The system of claim 4, wherein the first supervisory terminal is a battery operated mobile supervisory device.
- 7. The system of claim 6, wherein the first supervisory terminal is pager-size supervisory device.
- 8. The system of claim 7, wherein the pager-size supervisory device comprises a vibrating indication device.
- 9. The system of claim 1, wherein a first one of the supervisory terminals comprises a card reader configured to clear a weight violation at the checkout station in response to a reading of an authorization card.

10. The system of claim 9, wherein the authorization card comprises a transponder card. 35

11. The system of claim 9, wherein: 36

the checkout station is one of a plurality of checkout stations; and 37

the first supervisory terminal is dedicated to conducting supervisory activities over a first 38

one of the plurality of checkout stations. 39

12. The system of claim 1, wherein:

the supervisory activities comprise a plurality of supervisory functions that can be

performed to administer operation of the checkout station;

a first one of the supervisory terminals can conduct supervisory activities consisting of a

first subset of the supervisory functions;

a second one of the supervisory terminals can conduct supervisory activities consisting of

a second subset of the supervisory functions; and,

the first and second subsets of the supervisory functions are different.

48

45

46

47

13. The system of claim 12, wherein: 49

at least one of the plurality of supervisory functions is common to the first and second 50

subsets of the supervisory activities. 51

52	14. A method for providing supervisory support in a customer self-checkout system,				
53	comprising:				
54	monitoring operation of a checkout station;				
55	detecting a request for supervisory activity at the checkout station;				
56	transmitting the request for supervisory activity to a plurality of supervisory stations;				
57	coordinating communication between the self-checkout station and the plurality of				
58	supervisory stations to enable a responding supervisory station to assert control over				
59	the checkout station.				
60	15. The method of claim 14, wherein:				
61	the supervisory activity comprises a plurality of supervisory functions that can be				
62	performed to administer operation of the checkout station;				
63	a first one of the supervisory stations can conduct supervisory activities consisting of				
64	a first subset of the supervisory functions;				
65	a second one of the supervisory stations can conduct a second subset of the				
66	supervisory functions; and,				
67	the first and second subsets of the supervisory functions are different.				
68					
69	16. The method of claim 15, wherein:				
70	at least one of the plurality of supervisory functions is common to the first and second				

72

71

subsets of the supervisory functions.

79

80

82

73	17. The method of claim	14, wherein	coordinating	communication	comprises
----	-------------------------	-------------	--------------	---------------	-----------

- receiving at a communications controller a first response from a first one of the
 supervisory stations and a second response from a second one of the supervisory
 stations;
- enabling control over the checkout station in accordance with the first response; and rejecting the second response.
 - 18. The method of claim 14, wherein coordinating communication comprises:

 receiving at a communications controller a response from a first one of the supervisory stations;

 enabling control over the checkout station in accordance with the first response; and transmitting a message from the communication controller to non-responding ones of the supervisory stations to cancel supervisory request outstanding at each of said non-

responding supervisory stations.

19. A method of processing input at a supervisory terminal in a self-checkout system using a 86 handheld supervisory device, the method comprising: 87 receiving a supervisory request at a handheld supervisory device, the supervisory request 88 indicating assistance required at a checkout station; 89 processing the supervisory request to determine a sequence of input steps associated with 90 receipt of input responsive to the supervisory request, where the sequence of input 91 steps differs depending on content of the received supervisory request and on inputs 92 entered at the supervisory device as said steps are processed; 93

20. The method of claim 19, wherein displaying context-sensitive input prompts on a 96 supervisory device display and altering the displayed information in response to data 97 entry comprises: 98 displaying information indicating data input required by a checkout station; 99 monitoring data input to detect entry of response data, a void input, a clear input, a cancel 100 input, or an enter input; and when a void input is received, displaying a prompt requesting input of response data relating to an item to void; 103 when a clear input is received, clearing a previously received response data input; when a cancel input is received, terminating the monitoring; 105 when an enter input is received, determining whether received response data is valid and

107

108 21. The method of claim 20, wherein monitoring data input further comprises detecting entry
109 of bar code information and, when said bar code information is detected, determining
110 whether the bar code information comprises valid response data.

if the response data is valid, transmitting the response data to a checkout station.